

JSC team effort results in software honorable mention

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Gastric Function.

Tech Brief Awards also were given to Keith Brown of the Business and Information Systems Directorate for Windows Controlled Ecological Life Support System Simulator and Arne Aamodt of Mission Operations for the Payload Changeout Room Relative Height Monitor.

Patent Application awards also were handed out to several Engineering Directorate employees including Dickey Arndt for Microwave Treatment for Cardiac Arrhythmias and Particle Velocity Measuring; Charles Verostko for Fiber-Optic Chemiluminescent Biosensors for Monitoring Aqueous Alcohols and Other Water Quality Parameters; Richard

Juday for the Method and Apparatus for Improved Spatial Light Modulation and the Method and Apparatus for Modulating Light Using Spatial Light Modulators; James Akkerman, Gregory Aber and Richard Bozeman for the Rotary Blood Pump; Bozeman for the Accelerometer Method and Apparatus for Integral Display and Control Functions; Gregory Aber for the Blood Pump Bearing System; William Schneider for the Method and Apparatus for Coupling Space Vehicles; and David Altemir for the Micromechanical Oscillating Mass Balance.

Patent Application awards also went to Space and Life Sciences' Victor Whitehead for the Polarization Perception Tool and Lakshmi Putcha for the Preservation of

Liquid Biological.

Flight Crew Operations' David Wolf shared honors with Thomas Goodwin of Life Sciences for a Method for Producing Non-Neoplastic, Three-Dimensional Mammalian Tissue and Cell Aggregates under Micro-gravity Culture Conditions and the Products Produced Therefrom. Goodwin also was honored for his Recombinant Protein Production and Insect Cell Culture and Process.

A Software Author Award went to Keith Brown of the Business and Information Systems Directorate for Windows Controlled Ecological Life Support System Simulator.

Space Act Board Awards were given to Goodwin for the Recombinant Protein Production and Insect Cell Culture and Process;

Engineering's Edward Chimenti, Carlos Ortiz-Longo, Steven Rickman and Robert Vogt for the Thermal Synthesizer System; Dickey Arndt and Thanh Nguyen for the Capacitance Probe for Fluid Flow and Volume; Alice Lee of the Safety Reliability and Quality Assurance Directorate for a Quantitative Software Risk Assessment Tool; and Joel Stoltzfus of White Sand Test Facility for the Method and Apparatus for Production of Powders.

In addition, Huyen-Anh Ly and Lui Wang of the Business and Information Systems Directorate and Anthony Griffith of Mission Operations received an honorable mention for the Software of the Year Award for the Electronic Documentation Project.

Information systems helping to ease area code transition

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have until May 3 before the 713 area code is eliminated outside Houston's outer loop. During this transition, a phone in the new 281 area can be reached by dialing either the 713 or 281 area code. Local calls to numbers within the 281 and 713 areas will be accessible by dialing the seven-digit number. Beginning May 3, the 10-digit number will be required when calling across the 281/713 area code boundary.

Long distance toll calls to JSC can be made using either the 713 or 281 area code until May 1997. After May 3, the only way to reach a JSC phone from outside the 281 area will be to use the 281 area code.

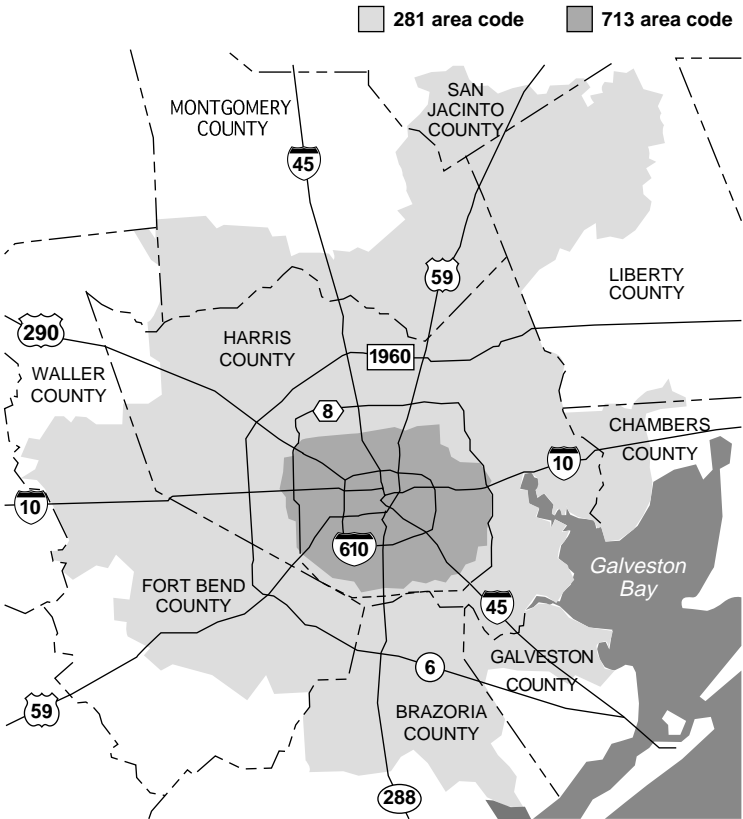
After the transition period, employees still will be able to call numbers in the 713 area code without paying long distance charges and without placing a one before the 10-digit number. The emergency number will remain 911 in Houston and the surrounding community and x33333 at JSC. Directory assistance will continue to be 1411.

In general, most calls that were dialed as non-toll will continue to be non-toll, but new dialing procedures will mandate calls to some locations be dialed as toll calls.

"Calls to Baytown and Alvin exchanges must be dialed as a toll call and will require dialing a 1," White said. "Calls from JSC to 713 area code numbers will not be toll calls."

White said that employees can begin now to prepare for the new area code.

The Business and Information Systems Directorate is taking action to correct after-hour recorded messages and system speed numbers.



A user at JSC (including Ellington Field) calling:

Example			
On-site to On-site	No change	5 digits	37123
On-site to Off-site (non-toll)	Calls to 281	8 digits	9 + 574-1234
	Calls to 713	11 digits	9 + (713) 876-9876
On-site to Off-site (toll)	No change	11 digits	9 + 1+ (ac) + 7 digits
Off-site to On-site	Calls from 281	7 digits	483-0123
	Calls from 713	10 digits	(281) 483-0123
Using a cellular phone (with a 713 area code)	Calls to 281	10 digits	(281) 574-1234
	Calls to 713	7 digits	876-9876
Calling a pager		11 digits	9 + (713) 891-xxxx key in 10 digits

Shepherd arrives in Star City to begin space station mission training

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what we've been able to learn from our limited conversations with him," Cardena said. "It's been very beneficial for him that while Shannon Lucid was up there he could talk to her, get her feelings and impressions of life aboard the Mir, working in that environment. It's a different way of doing business, a different system, a different culture."

Those who will follow Blaha on Mir and continue the research are undergoing training

in Star City, Russia. Astronaut Jerry Linenger's training is concentrating on Mir payload systems, while Astronaut Mike Foale recently completed his Russian oral exam on the Mir's life support systems. Astronauts Wendy Lawrence and David Wolf underwent preliminary physical examinations and continued their Russian language studies, while Astronaut Jim Voss received more instruction on Mir life support systems.

Astronaut Bill Shepherd recently arrived in

Star City to begin training for his 1998 mission to the International Space Station. Shepherd will command the first crew to live and work on board the new station, which the NASA-Mir program is helping to advance, as Mir's science agenda includes testing materials and equipment planned for the International Space Station. Linenger recently discussed the purpose of these risk mitigation experiments.

"We build a new piece of gear, we send it up to this platform, the Mir space station, we

look at how it operates up there, and just like anything it improves when you tweak it a little bit," Linenger said. "So we'll be up there tweaking a lot of the electronic gear, a lot of these experiments.... We'll check out how that equipment works, we'll bring it back on shuttle missions, we'll take a look at it, we'll improve it, and by the time we get to the International Space Station we should have some second- and third-generation science gear."

ISO 9000 familiarization seminar set

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the ISO 9001 requirements.

WSTF's top managers were motivated by the belief that improvements in the quality system would provide even greater pay-back in product quality and customer satisfaction, McCright said. The management also believed that the hazardous nature of the White Sands activities demanded the most rigorous quality system that they could implement.

JSC managers will have two additional opportunities to attend familiarization classes. The first will be from 8:30-11:30 a.m. Wednesday in the Bldg. 30 auditorium, and from 2-5 p.m. Friday in Bldg. 4S, Rm. 6600. All JSC supervisors and managers who have not

attended previous ISO 9000 classes are expected to attend.

"The White Sands experience provides an excellent foundation for the JSC ISO 9001 certification effort currently underway at the center," said Lee Norbraten, deputy director of the newly formed ISO 9000 Project Office. "We face most of the same issues as our colleagues at White Sands, but on a much grander scale."

McCright said JSC should follow his facility's example and set an ambitious goal for certification, establish a well-defined scope that represents the core business of the organization, use the best and brightest people across the center as the leaders of the implementation effort, establish a centralized

control system for a well defined set of documents, provide training opportunities for all employees, establish a strong internal audit process in preparation for a third-party registration audit, avoid the reinvention of procedures and work instructions that are already mature and do not underestimate the inherent resistance to change that exists in every organization.

White Sands received its third-party registration in October 1995. White Sands became the first ISO 9000 government/contractor partnership. NASA and AlliedSignal Technical Services Corporation employees at WSTF were honored with the Vice President's National Performance Review "Golden Hammer" award.

Space News Roundup

The **Roundup** is an official publication of the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, and is published every Friday by the Public Affairs Office.

The Roundup office is located in Bldg. 2, Rm. 181. The mail code is AP2. The main Roundup telephone number is x38648 and the fax number is x45165.

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Artifacts to be on display next week

In observance of National Native American Month, the Equal Opportunity Programs Office and representatives from JSC's Native American workforce will display a cultural exhibit Tuesday and Wednesday. The exhibit will be available from 11a.m.-1 p.m. in the Bldg. 3 cafeteria executive dining room.

The exhibit will include pictures of JSC employees who are of Native American heritage and their tribal affiliation. This exhibit will provide an opportunity for all JSC employees to gain an appreciation of the Native American heritage and their contribution to the NASA mission. For more information call Pat Burke at x30606.